AMENDMENTS TO THE CLAIMS:

1. **(Currently Amended)** A coded signal reproduction apparatus comprising:

a matching status information outputter operable to detect a ~~the~~ matching status of a code which is input for every predetermined bit with a prefix code of a packet start code, and to output matching status information at ~~of~~ a head part of the packet start code; and

a data formatter operable to output predetermined data in accordance with the matching status information when the code is judged not to be a part of the packet start code;

wherein, when a next packet start code is recognized, the predetermined data is output so as to be positioned at a head part of the data other than a header which follows the next packet start code.

2. **(Previously Presented)** A coded signal reproduction apparatus as described in Claim 1, wherein said matching status information outputter includes:

a head code detection unit operable to detect the matching status of the head part of the packet start code at every predetermined bit from the input code sequence, and to output matching information at the present point of time; and

a matching status historical information hold unit operable to receive the matching information at the present point of time, and to hold historical information of the matching status of the head code.

3. **(Previously Presented)** A coded signal reproduction apparatus as described in Claim 1, wherein said matching status information outputter includes:

a head code detection unit operable to detect the matching status of the head part of the packet start code at every predetermined bit from the input code sequence, and to output matching information at the present point of time; and

a matching status historical information hold unit operable to receive the matching information at the present point of time, and to hold historical information of the matching status of the head code; and

a start code discriminator operable to discriminate the packet start code by using the historical information and a packet start code identifier existing in the latter half part of the packet start code.

4. **(Previously Presented)** A coded signal reproduction apparatus as described in Claim 1, wherein said matching status information outputter includes:

a head code detection unit operable to detect the matching status of the head part of the packet start code at every predetermined bit from the input code sequence, and to output matching information at the present point of time; and

a matching status historical information hold unit operable to receive the matching information at the present point of time, and to hold historical information of the matching status of the head code; and

a start code discrimination unit operable to discriminate a hierarchy start code of video data in accordance with the historical information and a video hierarchy identifier of coded video data which exists in a position corresponding to the latter half part of the packet start code.

5. **(Previously Presented)** A coded signal reproduction apparatus as described in Claim 1, further comprising:

header analyzer operable to analyze the header of the packet to output reproduction information when the code which is input is coded video data;

wherein said data formatter is operable to insert the reproduction information together with information indicating effectiveness of the reproduction information, in a predetermined position in the coded video data.

6. **(Previously Presented)** A coded signal reproduction apparatus as described in Claim 4, wherein said header analyzer includes a header analysis unit operable to analyze the header of the packet and to output the reproduction information, and a reproduction information hold unit operable to hold the reproduction information.

7. **(Currently Amended)** A coded signal reproduction apparatus as described in Claim 6, wherein said header analyzer is operable to activate ~~activated~~ when the start code is identified.

8. **(Previously Presented)** A coded signal reproduction apparatus comprising:

an end code sequence detector operable to detect, from code sequences of coded data, a code sequence indicating the end of the coded data; and

a formatter operable to add a predetermined number of pseudo data to the rear of the code sequence indicating the end of the coded data so that the data bus width of pipeline transfer including the end of the coded data becomes equal to the bus width of pipeline transfer including other data, when a code sequence indicating the end of the code data is detected by said end code sequence detector.

9. **(Previously Presented)** A coded signal reproduction apparatus as described in Claim 8, further comprising:

a specific code sequence inserter operable to insert a specific code sequence in the last packet in a packet sequence before decoding;

wherein said formatter is operable to add a predetermined number of pseudo data to the rear of the specific code sequence.

10. **(Previously presented)** A coded signal reproduction apparatus as described in Claim 1, wherein the input code sequence is a coded and multiplexed signal in which audio, video, and reproduction information annexed thereto are multiplexed.

11. **(Cancelled)**

12. **(Previously Presented)** A coded signal reproduction apparatus as described in Claim 2, wherein the input code sequence is a coded and multiplexed signal in which audio, video, and reproduction information annexed thereto are multiplexed.

13. **(Previously Presented)** A coded signal reproduction apparatus as described in Claim 3, wherein the input code sequence is a coded and multiplexed signal in which audio, video, and reproduction information annexed thereto are multiplexed.

14. **(Previously Presented)** A coded signal reproduction apparatus as described in Claim 4, wherein the input code sequence is a coded and multiplexed signal in which audio, video, and reproduction information annexed thereto are multiplexed.

15. **(Previously Presented)** A coded signal reproduction apparatus as described in Claim 5, wherein the input code sequence is a coded and multiplexed signal in which audio, video, and reproduction information annexed thereto are multiplexed.

16. **(Previously Presented)** A coded signal reproduction apparatus as described in Claim 6, wherein the input code sequence is a coded and multiplexed signal in which audio, video, and reproduction information annexed thereto are multiplexed.

17. **(Previously Presented)** A coded signal reproduction apparatus as described in Claim 7, wherein the input code sequence is a coded and multiplexed signal in which audio, video, and reproduction information annexed thereto are multiplexed.

18. **(Previously Presented)** A coded signal reproduction apparatus as described in Claim 8, wherein the input code sequence is a coded and multiplexed signal in which audio, video, and reproduction information annexed thereto are multiplexed.